SEQUENCE LISTING

- (1) GENERAL INFORM
 - (i) APPLICANT: Leonard, Sherry Freedman, Robert
 - (ii) TITLE OF INVENTION: ALPHA-7 NICOTINIC RECEPTOR
 - (iii) NUMBER OF SEQUENCES: 121
 - (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: MEDLEN & CARROLL, LLP
 - (B) STREET: 220 Montgomery Street, Suite 2200
 - (C) CITY: San Francisco
 - (D) STATE: CA
 - (E) COUNTRY: USA
 - (F) ZIP: 94104
 - (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
 - (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: US /08/956,518
 - (B) FILING DATE: 23-OCT-19/97
 - (C) CLASSIFICATION:
 - (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: MacKnight, Kamrin T.
 - (B) REGISTRATION NUMBER: 38,230
 - (C) REFERENCE/DOCKET NUMBER: UTC-03042
 - (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: 415-7/05-8410
 - (B) TELEFAX: 415-39/1-8338
- (2) INFORMATION FOR SEQ ID NO:1:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 21 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - $/\!\!$ ii) MOLECULE TYPE:/other nucleic acid
 - (A) DESCRIPTION: /desc = "DNA"
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

TCCTGATGTC GGCTCCCAAC T

- (2) INFORMATION FOR SEQ ID NO:2:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 21 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single

 - (D) TOPOLOGY: linear

	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:	
GGT	ACGGATG TGCCAAGGAT A	21
(2)	INFORMATION FOR SEQ ID NO:3:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	,
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:	
TTT	GGGGTG CTAATCCAGG A	21
(2)	INFORMATION FOR SEQ ID NO:4:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:	
TTGT	TTTCCT TCCACCAGTC A	21
(2)	INFORMATION FOR SEQ ID NO:5:	
	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 22 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:	
CTC	CTGCAG CTCCGGGACT CA	22
(2)	INFORMATION FOR SEQ ID NO:6:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:	
GGAGGCTCAG GGAGAAGTAG	20
(2) INFORMATION FOR SEQ ID NO:7:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:	
CTCCAGGATC TTGGCCAAGT C	21
(2) INFORMATION FOR SEQ ID NO:8:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:	
AGATGCCCAA GTGGACCAGA G	21
(2) INFORMATION FOR SEQ ID NO:9:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 337 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
<pre>(ii) MOLECULE TYPE: other nucleic acid</pre>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:	
AGATGCCCAA GTGGACCAGA GTCATCCTTC TGAACTGGTG CGCGTGGTTC CTGCGAATGA	60
AGAGGCCCGG GGAGGACAAG GTGCGCCCGG CCTGCCAGCA CAAGCAGCGG CGCTGCAGCC	120
TGGCCAGTGT GGAGATGAGC GCCGTGGGCC CGCCCCCC CAGCAACGGG AACCTGCTGT	180
ACATCGGCTT CCGCGGCCTG GACGGCGTGC ACTGTGTCCC GACCCCCGAC TCTGGGGTAG	240
TGTGTGGCCG CATGGCCTGC TCCCCCACGC ACGATGAGCA CCTCCTGCAC GGCGGGCAAC	300
. CCCCCGAGGG GGACCCGGAC TTGGCCAAGA TCCTGGA	337



(2)	INFORMATION FOR SEQ ID NO:10:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 32 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:	
CACA	CACACA CACACACACA CACACACACA CA	32
(2)	INFORMATION FOR SEQ ID NO:11:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 54 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:	
CACA	CACACA TCACACACAC ACACACACA ACACATACAC ACACACAC	54
(2)	INFORMATION FOR SEQ ID NO:12:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:	
GATC'	TTTGGT AGAAGC	16
(2)	INFORMATION FOR SEQ ID NO:13:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:	
ACCA	CCACTA CCATACAGAC	20

(2)	INFORMATION FOR SEQ ID NO:14:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:	
CAAA	GAACGC AAGGGAGAGG T	21
(2)	INFORMATION FOR SEQ ID NO:15:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:	
CGGC'	TCGCGC GCCTTTAAGG A	21
(2)	INFORMATION FOR SEQ ID NO:16:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:	
GGGC'	ICGTCA CGTGGAAAAG C	21
(2)	INFORMATION FOR SEQ ID NO:17:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:	
GGAT	CCCACG GAGGAGTGGA G	21

(2)	INFO	RMATION FOR SEQ ID NO:18:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:18:	
CCTC	GCCG	GG TCTTCTCTCC T	21
(2)	INFO	RMATION FOR SEQ ID NO:19:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:19:	
AACT	ragag'	TG CCCCAGCCGA GCT	23
(2)	INFO	RMATION FOR SEQ ID NO:20:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:20:	
AAC	AACGC'	TC TCGACAGTCA GATC	24
(2)	INFO	RMATION FOR SEQ ID NO:21:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:21:	
AAG	ATCTT	GC AGCCCATGGG AG	2

(2)	TNEO	RMATION FOR SEQ ID NO:22:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:22:	
GGA	ATTCT	CT TTGGTTTTGC AC	22
(2)	INFO	RMATION FOR SEQ ID NO:23:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:23:	
ACA	ratcc.	AG CATCTCTGTG A	21
(2)		RMATION FOR SEQ ID NO:24:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:24:	
TCA	rgcag	TC CTTTTCCTGT TTC	23
(2)	INFO	RMATION FOR SEQ ID NO:25:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:25:	
CTC	GCTTC	AG TTTTCTAACA TGG	23

(2)	INFORM	MATION FOR SEQ ID NO:26:	
	(i) S	SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii) M	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi) S	SEQUENCE DESCRIPTION: SEQ ID NO:26:	
GGA	ACTGCT	G TGTATTTCA GC	22
(2)	INFORM	MATION FOR SEQ ID NO:27:	,
	(i) S	SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii) M	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi) S	SEQUENCE DESCRIPTION: SEQ ID NO:27:	
TTA	AGCTT	G CCCAGGAATA GG	22
(2)	INFORM	MATION FOR SEQ ID NO:28:	
	(i) S	SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii) M	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi) S	SEQUENCE DESCRIPTION: SEQ ID NO:28:	
GCT	GTGTGT	r GGTATACACA TTG	23
(2)	INFORM	MATION FOR SEQ ID NO:29:	
	(i) S	SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii) N	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi) 5	SEQUENCE DESCRIPTION: SEQ ID NO:29:	
TCC	AGAGCTO	G ATCTCAGCAG AAG	23

(2)	INFO	RMATION FOR SEQ ID NO:30:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:30:	
GCC	CCTCG	TT AGACAGAATT GAG	23
(2)	INFO	RMATION FOR SEQ ID NO:31:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:31:	
CTG	GGCAC.	AC TCTAACCCTA ACC	23
(2)	INFO	RMATION FOR SEQ ID NO:32:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:32:	
TGT	GACGT	GC AGTGCCACAG GA	22
(2)	INFO	RMATION FOR SEQ ID NO:33:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:33:	
AAA	ACCCT	AG GAGGAGCCTC CTT	23

(2)	INFO	RMATION FOR SEQ ID NO:34:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:34:	
GATO	CAGCC	CG TTTCCGCCTC A	21
(2)	INFO	RMATION FOR SEQ ID NO:35:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:35:	
GGTA	ACGGA'	TG TGCCAAGGAT A	21
(2)	INFO	RMATION FOR SEQ ID NO:36:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 27 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:36:	
GGA	CTCTG	CT TTTGATAAAT ATGTATG	27
(2)	INFO	RMATION FOR SEQ ID NO:37:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:37:	
TTG	CTGTC	AC TTTCTGTGTT TCAT	24

(2)	INFORMATION FOR SEQ ID NO:38:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:38:	
GACA	ATCCAA AGGTGCAGAA AGC	23
(2)	INFORMATION FOR SEQ ID NO:39:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:39:	
TTCG	TATCTG TATACAGACA GTC	23
(2)	INFORMATION FOR SEQ ID NO:40:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:40:	
CCTC	AGCATC ATATTAGTTC AGTG	24
(2)	INFORMATION FOR SEQ ID NO:41:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:41:	
GCGG	ACAAGA GAAACAGGAA AG	22

(2)	INFO	RMATION FOR SEQ ID NO:42:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:42:	
GGC	AGTGG'	TG CTGTTGCCCT T	21
(2)	INFO	RMATION FOR SEQ ID NO:43:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:43:	
TTTC	CTCCT	GG GACTCTGGGC AC	22
(2)	INFO	RMATION FOR SEQ ID NO:44:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:44:	
TGA	CGCCA	CA TTCCACACTA A	21
(2)	INFO	RMATION FOR SEQ ID NO:45:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:45:	
TTG	rtttc	CT TCCACCAGTC A	21

(2)	INFO	RMATION FOR SEQ ID NO:46:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 25 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:46:	
CCA	GTTT'	TA ACCACCAACA TTTGG	25
(2)	INFO	RMATION FOR SEQ ID NO:47:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 33 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:47:	
TCCC	CCGCG	GA AGAATGTCTG GTTTCCAAAT CTG	33
(2)	INFO	RMATION FOR SEQ ID NO:48:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:48:	
CTC	CAGGA	TC TTGGCCAAGT C	21
(2)	INFO	RMATION FOR SEQ ID NO:49:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 48 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:49:	
CAU	CAUCA	UC AUCCAGCGTA CATCGATGTA GCAGGAACTC TTGAATAT	48

(2) INFOR	RMATION FOR SEQ ID NO:50:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 41 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	FEATURE: (A) NAME/KEY: - (B) LOCATION: 3233 (D) OTHER INFORMATION: /note= "The residue at this	
positio	on is Inosine."	
, ,	FEATURE: (A) NAME/KEY: - (B) LOCATION: 3637 (D) OTHER INFORMATION: /note= "The residue at this on is Inosine."	
-		
, ,	FEATURE: (A) NAME/KEY: - (B) LOCATION: 4142 (D) OTHER INFORMATION: /note= "The residue at this	
positio	on is Inosine."	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:50:	
CUACUACUA	AC UAGGCCACGC GTCGACTAGT ACGGGGGGGG G	41
(2) INFO	RMATION FOR SEQ ID NO:51:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 25 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:51:	
CGCTGCAG	CT CCGGGACTCA ACATG	25
(2) INFO	RMATION FOR SEQ ID NO:52:	
,	•	
(1)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 25 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:52:	
TGCCCATC'	TG TGAGTTTTCC ACATG	25

(2) IN	FORMATION FOR SEQ ID NO:53:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(i	i) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
(x	i) SEQUENCE DESCRIPTION: SEQ ID NO:53:	
TGACGC	CACA TTCCACACTA A	21
(2) IN	FORMATION FOR SEQ ID NO:54:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(i	i) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
(x	i) SEQUENCE DESCRIPTION: SEQ ID NO:54:	
CCCCAA	ATCT CGCCAAGC	18
(2) IN	FORMATION FOR SEQ ID NO:55:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(i	i) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
(x	i) SEQUENCE DESCRIPTION: SEQ ID NO:55:	
CTCGGT	GCCC CTTGCCATTT	20
(2) IN	FORMATION FOR SEQ ID NO:56:	
((i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 25 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(i	(i) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
(>	ki) SEQUENCE DESCRIPTION: SEQ ID NO:56:	
CCTTGC	CCCAT CTGTGAGTTT TCCAC	25

(2)	INFORMATION FOR SEQ ID NO:57:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 25 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:57:	
CCC	AGTACTT CGCCAGCACC ATGAT	25
(2)	INFORMATION FOR SEQ ID NO:58:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 25 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:58:	
CCC	CGTCGGG GTCGTGGTGG TGGTA	25
(2)	INFORMATION FOR SEQ ID NO:59:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 25 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:59:	
TCC	CCGGCAA GAGGAGTGAA AGGTT	25
(2)	INFORMATION FOR SEQ ID NO:60:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 25 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:60:	
ACA	CCAGCAG GGCGAGGGCG GAGAT	25

(2) INFORMATION FOR SEQ ID NO:61:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 25 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:61:	
GACCAGAGTC ATCCTTCTGA ACTGG	25
(2) INFORMATION FOR SEQ ID NO:62:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 25 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:62:	
TTTCAGGTAG ACCTTCATGC AGACA	25
(2) INFORMATION FOR SEQ ID NO:63:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 25 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:63:	
CGATGTACGC TGGTTTCCCT TTGAT	25
(2) INFORMATION FOR SEQ ID NO:64:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 25 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
<pre>(ii) MOLECULE TYPE: other nucleic acid</pre>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:64:	
TTCCCACTAG GTCCCATTCT CCATT	25

(2)	INFO	RMATION FOR SEQ ID NO:65:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 25 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:65:	
CGC	rgcag	CT CCGGGACTCA ACATG	25
(2)	INFO	RMATION FOR SEQ ID NO:66:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 25 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:66:	
TGC	CCATC	TG TGAGTTTTCC ACATG	25
(2)	INFO	RMATION FOR SEQ ID NO:67:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:67:	
TGA	CGCCA	CA TTCCACACTA A	21
(2)	INFO	RMATION FOR SEQ ID NO:68:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:68:	
000	~~ ~ ~ ~ ~	יריד רירירים איניר :	18

(2)	INFORMATION FOR SEQ ID NO:69:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:69:	
CTC	GTGCCC CTTGCCATTT	20
(2)	INFORMATION FOR SEQ ID NO:70:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 25 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:70:	
CCT	GCCCAT CTGTGAGTTT TCCAC	25
(2)	INFORMATION FOR SEQ ID NO:71:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:71:	
TGT	AAACGA CGGCCAGT	18
(2)	INFORMATION FOR SEQ ID NO:72:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:72:	
CAG	BAAACAG CTATGACC	18

(2)	INFORMATION FOR SEQ ID NO:73:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 25 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:73:	
AAG	AGCTGG TCAAGAACTA CAATC	25
(2)	INFORMATION FOR SEQ ID NO:74:	
	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 25 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:74:	
CCG	AATCTG CAGGAAGCAG GAACA	25
(2)	INFORMATION FOR SEQ ID NO:75:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 26 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:75:	
CCA	GGCGTGG TTACGCAAAG TCTTTG	26
(2)	INFORMATION FOR SEQ ID NO:76:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:76:	
GAT	GTGCAGC ACTGCAAACA A	21

(2) I	NFORMATION FOR SEQ ID NO:77:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
((ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
((xi) SEQUENCE DESCRIPTION: SEQ ID NO:77:	
TTAAA	AGCTTG CCCAGGAATA GG	22
(2) I	NFORMATION FOR SEQ ID NO:78:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
((ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
((xi) SEQUENCE DESCRIPTION: SEQ ID NO:78:	
GGAAC	CTGCTG TGTATTTCA GC	22
(2) I	INFORMATION FOR SEQ ID NO:79:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
((xi) SEQUENCE DESCRIPTION: SEQ ID NO:79:	
AAGAC	CCAGGA CCCAAACTTG T	21
(2)]	INFORMATION FOR SEQ ID NO:80:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:80:	
GCTT	GTGTGT GGTATACACA TTG	23

(2)	INFORMATION FOR SEQ ID NO:81:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:81:	
GTA	GAGTGTC CTGCGGC	17
(2)	INFORMATION FOR SEQ ID NO:82:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:82:	
GGT	CCGCTAC ATTGCCAA	18
(2)	INFORMATION FOR SEQ ID NO:83:	
	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 21 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:83:	
TGA'	IGGTGAA GACCGAGAAG G	21
(2)	INFORMATION FOR SEQ ID NO:84:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 55 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:84:	
NNN	NNNNNNN NNNNNNNNN NNNNNNNNN NNNNNNNNN NNNN	55

(2)	INFORMATION FOR SEQ ID NO:85:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:85:	
TCT	CTTAAG	10
(2)	INFORMATION FOR SEQ ID NO:86:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:86:	
TTT	TTGAAG	10
(2)	INFORMATION FOR SEQ ID NO:87:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:87:	
TGT	TTGTCAG	10
(2)	INFORMATION FOR SEQ ID NO:88:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 11 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:88:	
CTG	TTTCTAG T	11

(2)	INFORMATION FOR SEQ ID NO:89:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:89:	
ACC	CACACAG	10
(2)	INFORMATION FOR SEQ ID NO:90:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:90:	
CCC	TATGGAG	10
(2)	INFORMATION FOR SEQ ID NO:91:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:91:	
TAT	GTTTTAG	10
(2)	INFORMATION FOR SEQ ID NO:92:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:92:	
CTC	TCCACAG	10

 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
<pre>(ii) MOLECULE TYPE: other nucleic acid</pre>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:93:	
GTCTCCCCAG	10
(2) INFORMATION FOR SEQ ID NO:94:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 457 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:94:	
AGAACGCAAG GGAGAGGTAG AGCCTGGCCT TGGGCAGCCC CTGGCCTGGC	60
AGGCCGAGAG CCCGCTCGGT GGAGACTGGG GGTGGAGGTG CCCGGAGCGT ACCCAGCGCC	120
GGGAGTACCT CCCGCTCACA CCTCGGGCTG CAGTTCCCTG GGTGGCCGCC GAGACGCTGG	180
CCCGGGCTGG AGGGATGGCG GGGCGGGGAC GGGGGCGGGG GCGGGGCTCG TCACGTGGAG	240
AGGCGCGCGG GGGCGGGCGG GGCGGGGGCC CGCGCCCGGC TCCTTAAAGG CGCGCGAGCC	300
GAGCGGCGAG GTGCCTCTGT GGCCGCAGGC GCAGGCCCGG GCGACAGCCG AGACGTGGAG	360
CGCGCCGGCT CGCTGCAGCT CCGGGACTCA ACATGCGCTG CTCGCCGGGA GGCGTCTGGC	420
TGGCGCTGGC CGCGTCGCTC CTGCACGGTA AAGCCAC	457
(2) INFORMATION FOR SEQ ID NO:95:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 308 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
<pre>(ii) MOLECULE TYPE: other nucleic acid</pre>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:95:	
CAGGCCGCCA CATAGCTCCC GCCAAGTCCT CGGTGCCCCT TGCCATTTTC CAGCCGCGTC	60
CCACGAGGGT CACGGCGGCG GGGAGAGGTG GAGCCGCGAG AGCTCGGCCG GGGGCCCCGC	120
CTGGTGGCCG CGGCCATGAC AGCGGCTCGG GACTGGCTCC TTTTCCGCGC CCCTCCCGCC	180

(2) INFORMATION FOR SEQ ID NO:93:



GGAGGTGAGG GGAAGATGTC CATGTCAGGG TTCAAGGCCA AACCGAAGTT ACTGGCCCTC	240			
TATCTTCCAG GAGAACCAGG AGCCACAGCC GCGGCTCACG CCCCACCGCA ACATTAAGGT	300			
GAGTCGCC	308			
(2) INFORMATION FOR SEQ ID NO:96:				
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 145 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 				
<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>				
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:96:				
CTCATTTCAG ATTACAAGTG GACACCTGAG TCAGCAGGAC CTGGAATCCC AGATGAGAGA	60			
GCTTATCTAC ACGACTCAGA TCTTGTTGTC ACCCCCATTA TTGACAATCC AAAGGTGCAG	120			
AAAGCACTCT GACAAGTGAG TTGTA	145			
(2) INFORMATION FOR SEQ ID NO:97:				
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 84 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear				
(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"				
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:97:				
TTAACCACAG ATAATGAAAC AACCACCATC GGTTAAATTT GATGCAAAAA TATTGCATCT	60			
ACCAGCATTT TCAGGTAGGA TCAT	84			
(2) INFORMATION FOR SEQ ID NO:98:				
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 67 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 				
<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>				
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:98:	•			
TTTATTCTAG TTCCAATTGC TAATCCAGCA TTTGTGGATA GCTGCAAACT GCGATATGTA	60			



AGTAACA

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 100 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:99:	
CTGTTTCTAG TGCTGATGAG CGCTTTGACG CCACATTCCA CACTAACGTG TTGGTGAATT	60
CTTCTGGGCA TTGCCAGTAC CTGCCTCCAG GTAAGCTGCA	100
(2) INFORMATION FOR SEQ ID NO:100:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 37 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:100:	
ACCCACAGG GCATATTCAA GAGTTCCTGC TACATCG	37
(2) INFORMATION FOR SEQ ID NO:101:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 392 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:101:	
AGAACGCAAG GGAGAGGTAG AGCCTGGCCT TGGGCAGCCC CTGGCCTGGC	60
AGGCCGAGAG CCCGCTCGGT GGAGACTGGG GGTGGAGGTG CCCGGAGCGT ACCCAGCGCC	120
GGGAGTACCT CCCGCTCACA CCTCGGGCTG CAGTTCCCTG GGTGGCCGCC GAGACGCTGG	180
CCCGGGCTGG AGGGATGGCG GGGCGGGGAC GGGGGCGGGG GCGGGGCTCG TCACGTGGAG	240
AGGCGCGCG GGGCGGGCGG GGCGGGGCC CGCGCCCGGC TCCTTAAAGG CGCGCGAGCC	300
GAGCGGCGAG GTGCCTCTGT GGCCGCAGGC GCAGGCCCGG GCGACAGCCG AGACGTGGAG	360

(2) INFORMATION FOR SEQ ID NO:99:

CGCGCCGGCT CGCTGCAGCT CCGGGACTCA AC



(2) INFORMATION FOR SEQ ID NO:102:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 689 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:102:

AGCCCTTTCC CAGGCGGTAG CGGGGGCAGT GGTGCTGTTG CCCTTTTAAA CTGCGGCTTG 60 ACGGGAGCCG CGCCTCTGT CGGTGGAGTC GGTTATAAAG GGAGCAGCCC CGCAGGCCGC 120 CACATAGCTC CCGCCAAGTC CTCGGTGCCC CTTGCCATTT TCCAGCCGCG CTCCCACGAG 180 GGTCACGGCG GCGGGGAGAG GTGGAGCCGC GAGAGCTCGG CCGGGGGCCC CGCCTGGTGG 240 (300 CCGCGGCCAT GACAGCGGCT CGGGACTGGC TCCTTTTCCG CGCCCCTCCC GCCGGAGGTG AGGGGAAGAT GTCCATGTCA GGGTTCAAGG CCAAACCGAA GTTACTGGCC TCTATCTTCC 360 AGGAGAACCA GGAGCCACAG CCGCGGCTCA CGCCCCACCG CAACATTAAG ATTACAAGTG 420 GACACCTGAG TCAGCAGGAC CTGGAATCCC AGATGAGAGA GCTTATCTAC ACGACTCAGA 480 TCTTGTTGTC ACCCCCATTA TTGACAATCC AAAGGTGCAG AAAGCACTCT GACAATTCCA 540 ATTGCTAATC CAGCATTTGT GGATAGCTGC AAACTGCGAT ATTGCTGATG AGCGCTTTGA 600 CGCCACATTC CACACTAACG TGTTGGTGAA TTCTTCTGGG CATTGCCAGT ACCTGCCTCC 660 689 AGGCATATTC AAGAGTTCCT GCTACATCG

(2) INFORMATION FOR SEQ ID NO:103:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 641 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:103:

CAGGCCGCCA CATAGCTCCC GCCAAGTCCT CGGTGCCCCT TGCCATTTC CAGCCGCGCT 60

CCCACGAGGG TCACGGCGGC GGGGAGAGGT GGAGCCGCGA GAGCTCGGCC GGGGGCCCCG 120

CCTGGTGGCC GCGGCCATGA CAGCGGCTCG GGACTGGCTC CTTTTCCGCG CCCCTCCCGC 180

CGGAGGTGAG GGGAAGATGT CCATGTCAGG GTTCAAGGCC AAACCGAAGT TACTGGCCTC 240

TACCATCCAG GAGAACCAGG AGCCACAGCC GCGGCTCACG CCCCACCGCA ACATTAAGAT 300

TACAAGTGGA CACCTGAGTC AGCAGGACCT GGAATCCCAG ATGAGAGAGC TTATCTACAC 360

GACTCAGATC TTGTTGTCAC CCCCATTATT GACAATCCAA AGGTGCAGAA AGCACTCTGA	420
CAAATAATGA AACAACCACC ATCGGTTAAA TTTGATGCAA AAATATTGCA TCTACCAGCA	480
TTTTCAGTTC CAATTGCTAA TCCAGCATTT GTGGATAGCT GCAAACTGCG ATATTGCTGA	540
TGAGCGCTTT GACGCCACAT TCCACACTAA CGTGTTGGTG AATTCTTCTG GGCATTGCCA	600
GTACCTGCCT CCAGGCATAT TCAAGAGTTC CTGCTACATC G	641
(2) INFORMATION FOR SEQ ID NO:104:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:104:	
GTAAAGCCAC	10
(2) INFORMATION FOR SEQ ID NO:105:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 140 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:105:	
TGTCCNNNNN NNNNNNNNN NNNNNNNNN NNNNNNNNN NNNN	60
NUNUNUNUN NUNUNUNUN NUNUNUNUN NUNUNUNUN	120
NNNNNNNN NNNNGACGTG	140
(2) INFORMATION FOR SEQ ID NO:106:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:106:	

GTGAGTCCCG

(2)	INFORMATION FOR SEQ ID NO:107:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 44 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:107:	
GATO	GAGNNNN NNNNNNNNN NNNNNNNNCA AATG	4
(2)	INFORMATION FOR SEQ ID NO:108:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:108:	
GTA	AGTTAAG	1
(2)	INFORMATION FOR SEQ ID NO:109:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 110 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:109:	
TCT'	TGGNNNN NNNNNNNNN NNNNNNNN NNNNNNNN NNNNNN	6
NNN	NNNNNN NNNNNNNN NNNNNNNN NNNNNNNN NNNNNAACAG	11
(2)	INFORMATION FOR SEQ ID NO:110:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:110:	
GTA	AGCATAT	1

(2) INFORMATION FOR SEQ ID NO:III:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 80 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:111:	
GCTGATNNNN NNNNNNNNN NNNNNNNNN NNNNNNNNN NNNNN	60
NNNNNNNNN NNNCCTCCAG	80
(2) INFORMATION FOR SEQ ID NO:112:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:112:	
GTAAGCTGCA	10
(2) INFORMATION FOR SEQ ID NO:113:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 168 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:113:	
GCATANNNN NNNNNNNNN NNNNNNNNN NNNNNNNNN NNNNN	60
NNNNNNNN NNNNNNNNN NNNNNNNNN NNNNNNNNN	120
NNNNNNNNN NNNNNNNNN NNNNNNNNNNNNNNNNNN	168
(2) INFORMATION FOR SEQ ID NO:114:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:114:				
GTAAGCCATG				
(2) INFORMATION FOR SEQ ID NO:115:				
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 195 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 				
<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>				
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:115:				
GAATCNNNNN NNNNNNNNN NNNNNNNNNN NNNNNNNNN NNNN	60			
NUMUMUMUM MUMUMUMUM MUMUMUMUM MUMUMUMUM MUMUMUMUM MUMUMUMUM MUMUMUMUM MUMUMUMUM MUMUMUMUM MUMUMUM MUMUM MUMUMUM MUMUM MUMUM MUMUMUM MUMUM MUM MUMUM MUM	120			
NUMUMUMUM MUMUMUMUM MUMUMUM MUMUM MUMUMUM MUMUM MUM MUMUM MUM MUMUM MUM MUMUM MUM MUMUM MUM	180			
NNNNNNNTC CCTGG	195			
(2) INFORMATION FOR SEQ ID NO:116:				
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 				
<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"</pre>				
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:116:				
GTAAGCGCCC	10			
(2) INFORMATION FOR SEQ ID NO:117:				
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 87 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 				
<pre>(ii) MOLECULE TYPE: other nucleic acid</pre>				
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:117:				
GGATANNNN NNNNNNNNN NNNNNNNNN NNNNNNNNN NNNNN	60			

NNNNNNNNN NNNNNNNNN TTGATAG

(2) INFORMATION FOR SEQ ID NO:118:				
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"		
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:118:		
GTA	AGGCA	AG	10	
(2)	INFO	RMATION FOR SEQ ID NO:119:		
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 110 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"		
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:119:		
CCC	AGNNN	NUNUNUNUN UNUNUNUN NUNUNUNUN NUNUNUNUN NUNUNUNUN NUN	60	
NNN	NNNN	NN NNNNNNNN NNNNNNNN NNNNNNNNN NNNNAAGTGG	110	
(2) INFORMATION FOR SEQ ID NO:120:				
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"		
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:120:		
GTA	CGTTC	CT	10	
(2)	INFO	RMATION FOR SEQ ID NO:121:		
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 519 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
	(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "DNA"		

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:121:

ACCAGANNNN	NNNNNNNNN	NNNNNNNNN	NNNNNNNNN	NNNNNNNNN	ИИИИИИИИИИ	60
NNNNNNNNN	ииииииииии	NNNNNNNNN	ииииииииии	NNNNNNNNN	NNNNNNNNN	120
NNNNNNNNN	NNNNNNNNN	NNNNNNNNN	NNNNNNNNN	NNNNNNNNN	NNNNNNNNN	180
NNNNNNNNN	NNNNNNNNN	NNNNNNNNN	NNNNNNNNN	NNNNNNNNN	NNNNNNNNN	240
NNNNNNNNN	ииииииииии	ииииииииии	NNNNNNNNN	NNNNNNNNN	NNNNNNNNN	300
NNNNNNNNN	NNNNNNNNN	NNNNNNNNN	NNNNNNNNN	NNNNNNNNN	NNNNNNNNN	360
NNNNNNNNN	NNNNNNNNN	NNNNNNNNN	ииииииииии	NNNNNNNNN	NNNNNNNNN	420
NNNNNNNNN	NNNNNNNNN	NNNNNNNNN	NNNNNNNNN	NNNNNNNNN	NNNNNNNNN	480
NNNNNNNNN	NNNNNNNNN	NNNNNNNNN	NNNNNNNN			519